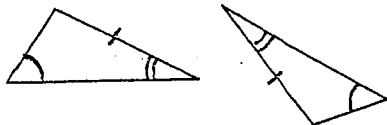


Geometry
Review of 4.1-4.4

Name: _____

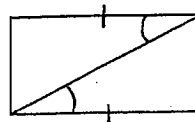
A.) Choose the postulate or theorem that proves the pair of triangles congruent. Circle the letter of the best response. Use only the indicated tick marks and the diagram as is.

1.)



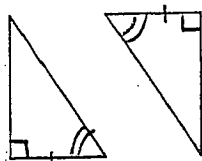
- a. SSS b. ASA
c. SAS d. AAS

2.)



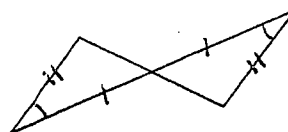
- a. SAS b. SSS
c. ASA d. AAS

3.)



- a. SAS b. ASA
c. SSS d. AAS

4.)



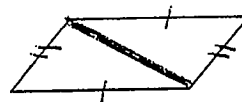
- a. AAS b. SAS
c. ASA d. SSS

5.)



- a. ASA b. SAS
c. SSS d. AAS

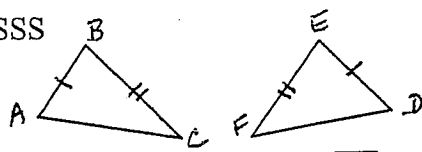
6.)



- a. SAS b. SSS
c. ASA d. AAS

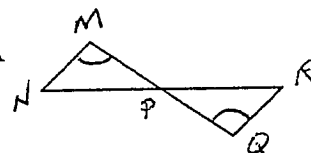
B.) Choose the additional congruence you would need in order to show that the triangles are congruent by the indicated method.

7.) SSS



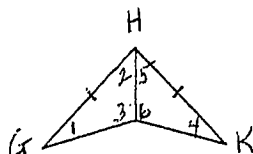
- a. $\overline{AB} \cong \overline{DF}$ b. $\overline{AC} \cong \overline{EF}$
c. $\overline{AC} \cong \overline{DF}$ d. $\overline{AB} \cong \overline{AC}$

8.) ASA



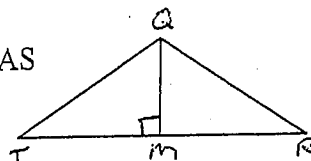
- a. $\overline{MP} \cong \overline{QP}$ b. $\overline{NP} \cong \overline{PR}$
c. $\angle N \cong \angle R$ d. $\overline{MN} \cong \overline{QR}$

9.) SAS



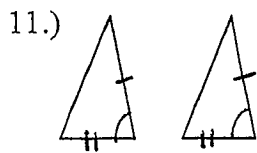
- a. $\angle 1 \cong \angle 4$ b. $\angle 2 \cong \angle 5$
c. $\angle 3 \cong \angle 6$ d. $\overline{GP} \cong \overline{PK}$

10.) AAS

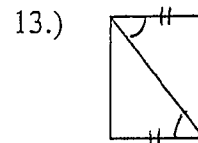


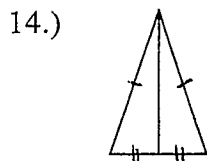
- a. $\overline{TM} \cong \overline{MR}$ b. $\angle T \cong \angle R$
c. $\angle QMT \cong \angle QMR$ d. $\overline{QT} \cong \overline{QR}$

C.) What postulate or theorem could you use to show that each pair of triangles is congruent?

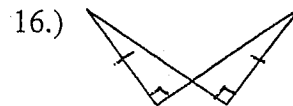


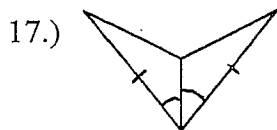


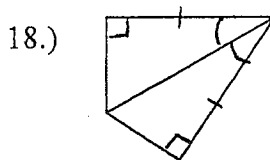


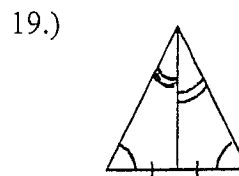






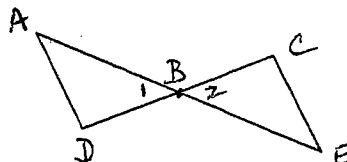




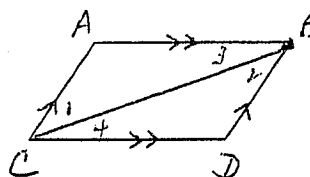


D.) Complete each proof in your notebook.

- 20.) Given: \overline{AE} bisects \overline{DC}
 $\angle A \cong \angle E$
 Prove: $\triangle ABD \cong \triangle EBC$



- 21.) Given: $\overline{AB} \parallel \overline{CD}$
 $\overline{AC} \parallel \overline{BD}$
 Prove: $\triangle ABC \cong \triangle DCB$



- 22.) Given: $\triangle ABC$ is isosceles
 with base \overline{BC}
 D is the m.p. of \overline{BC}
 Prove: $\triangle BAD \cong \triangle CAD$

